

PATENT ABSTRACTS OF JAPAN

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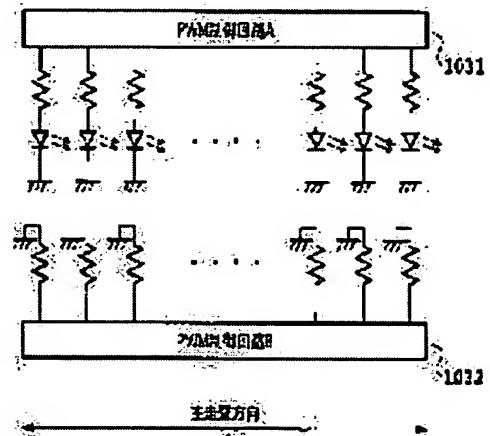
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(54) IMAGE-READING APPARATUS

(57)Abstract:

PROBLEM TO BE SOLVED: To solve the problem of nonuniformity in color caused by the nonuniformity in the distribution of heat generation in the direction of main scanning and the nonuniformity in variation in brightness caused by temperature change in the direction of a time axis after lighting control when controlling light distribution in a white LED lighting module.

SOLUTION: When a row of heat generation elements consisting of resistors or the like are formed near a row of white LED elements, and the light distribution in the direction of main scanning due to the row of white LED elements is controlled, the temperature distribution at each white LED junction section is controlled flatly by controlling the amount of heat generation in this heat generation element regardless of the ON/OFF of the white LED, or the amount of heat generation in the heat generation element is controlled so that the temperature distribution when only the row of LED elements are driven is maintained also when the row of LED elements are not driven. Further, by providing a temperature detection means having a temperature sensor near the row of white LED elements, the amount of heat generation in the heat generation element is controlled so that a predetermined, specific temperature is maintained based on the output from the temperature detection means.



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